

02-14-2006 10:43 From-

T-233 P.004/008 F-003

**PASSAIC VALLEY SEWERAGE COMMISSIONERS  
APPLICATION FOR LETTER OF AUTHORIZATION  
AND / OR  
CONTRACTUAL INDIRECT DISCHARGE AGREEMENT**

INDUSTRIAL		
81100	81150	81200
MAR 04 2009		
81250	82050	82100

**SECTION A**

<u>Check One</u>
<input checked="" type="checkbox"/> Groundwater Cleanup
<input type="checkbox"/> Well Pump Test
<input type="checkbox"/> Construction Water
<input type="checkbox"/> Stormwater
<input type="checkbox"/> Other (List)

1. Name of Company / or Property applying for discharge: \_\_\_\_\_  
Georgia-Pacific LLC  
\_\_\_\_\_
2. Location: \_\_\_\_\_  
297 Ferry Street, Bldg. 290  
Newark, New Jersey 07105  
\_\_\_\_\_
3. Mailing Address: Same  
\_\_\_\_\_  
\_\_\_\_\_
4. Person to contact concerning information provided in this application:  
  
Name of Contact Official: Paul A. Montney, P.E.  
\_\_\_\_\_  
Title: \_\_\_\_\_ Director of Remediation & Acquisition/Divestitures  
\_\_\_\_\_  
Address: \_\_\_\_\_ 297 Ferry Street, Bldg. 290  
Newark, New Jersey 07105  
\_\_\_\_\_  
Phone#: \_\_\_\_\_ (973) 465-4646  
\_\_\_\_\_  
Fax#: \_\_\_\_\_ (973) 465-1151  
\_\_\_\_\_

02-14-2006 10:43 From-

## 5. If consultant is being used for this discharge provide:

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone#: \_\_\_\_\_

Fax#: \_\_\_\_\_

Contact: \_\_\_\_\_

## 6. Person or Company responsible for payment of Treatment Fee and /or Connection Fee:

Name: Paul A. Montney, P.E. \_\_\_\_\_

Address: 297 Ferry Street, Bldg. 290  
Newark, New Jersey 07105 \_\_\_\_\_

Phone#: (973) 465-4646 \_\_\_\_\_

Fax#: (973) 465-1151 \_\_\_\_\_

7. Does Company have NJPDES Permit? Yes - No If yes, list all: (include whether the Permit is for a discharge to surface water or to groundwater):\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_7a. If the answer to #7 was yes, why is application being made to discharge the wastewater to the sanitary sewer? N/A\_\_\_\_\_  
\_\_\_\_\_

02-14-2006 10:43 From-

## SECTION B

## Brief Description of Operation:

1. What type of operation resulted in the contamination, and what are the expected contaminants?: ISRA Case # 8456A - former plastics operation with tank farm  
Contaminants of Concern: acetone, methylene chloride, MIBK, and methanol
2. What is the anticipated duration of discharge? Until approximately 2015, based on extrapolation of latest existing monitoring well sampling data
3. Is there an existing sewer connection on site? Yes - No, If no, explain how wastewater will be conveyed to the sewer?  
  
  
(Discharge must enter a combined or sanitary sewer only)
4. What is the total amount of volume expected to be discharged: 365,000 gallons/year (maximum)  
(Based on a maximum discharge of 0.001 MGD, or 30,000 gallons/month. Typically, monthly discharges are more in the range of 10,000 - 15,000 gallons/month).
5. What is the estimated average daily flow in (gallons per minute) GPM: 0.5  
(Note: Non-resettable meter must be used to measure the volume)
6. Describe any pretreatment expected to be used to treat the waste stream: Aeration in groundwater treatment system (air stripper).
7. Provide a description of the final sample point *(Example: Sample point is located in building #1 in the discharge pit).* Sample point is located in GWTP building at discharge point where effluent leaves the building to the PVSC sewer line running along the former Ashbridge Street.

## SECTION C

1. Attach Diagram of the Property showing:
  - a. Discharge location See Attached Figure 1
  - b. Treatment system
  - c. Sample point(s) (PVSC requires accessibility to install a sampler)
  - d. Non-resettable flowmeter
  - e. Identify well or well #'s being pumped.
2. Details of connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.  
Connection to PVSC sewer is located in front of facility gate along former Ashbridge Street, approximately 500 feet SSE of intersection of Ferry and Fillmore Streets.
- 2 a. Is or was an NJDEP Treatment Works Approval (TWA) required Yes or No?  
If so, was it submitted to PVSC?  
A TWA was submitted to the NJDEP and PVSC in 1991, and is no longer required.

02-14-2006 10:43 From-

T-233 P.007/008 F-003

## SECTION D

1. Analysis of wastewater expected to be discharged. If wastewater will be pretreated, analyze sample after pretreatment.

Parameter	Results (mg/l) Report to the nearest hundredth: 0.XX Except where indicated. Example: 0.36 mg/l
(Cd) Cadmium	< 0.003
(Cu) Copper	< 0.010
(Pb) Lead	0.0036
(Ni) Nickel	0.0261
(Zn) Zinc	< 0.020
(Hg) Mercury ( <i>Report to 0.XXX</i> )	< 0.0002
(Mo) Molybdenum	Not Sampled - Suspended (see Note 1 below)
Chlorides	838
(BOD) Biochemical Oxygen Demand ( <i>Report to XXX.</i> )	< 2.0
(TSS) Total Suspended Solids ( <i>Report to XXX.</i> )	23.0
(pH) Standard Units	7.49
(TPH) Total Petroleum Hydrocarbons	< 5.2
(VOC) Volatile Organic Compounds	All compounds were non-detect (ND)

Note 1: No sample analyzed for molybdenum as this metal is "Suspended" as noted in Tables B1 and B2 of PVSC Rules and Regulations, Change 12A.

Note: Analysis of discharge parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Company is required to submit all certified lab analyses. Analysis sheets for VOC must identify all analytes individually and must be reported to the method detection levels. PVSC reserves the right to require additional analyses if it deems it necessary.

2. Date samples taken: 1/27/2009
3. Name of Laboratory certified by NJDEP to conduct all required analysis:  
Accutest Laboratories, Dayton, New Jersey (NJDEP Cert. No. 12129)

02-14-2006 10:43 From-

T-233 P.008/008 F-003

**SECTION E****CERTIFICATION:**

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete and accurate.

Name of signing official: Paul A. Montney, P.E.

Print Name

Title: Director of Remediation & Acquisition/DivestituresDate: 2/19/09 Signature 

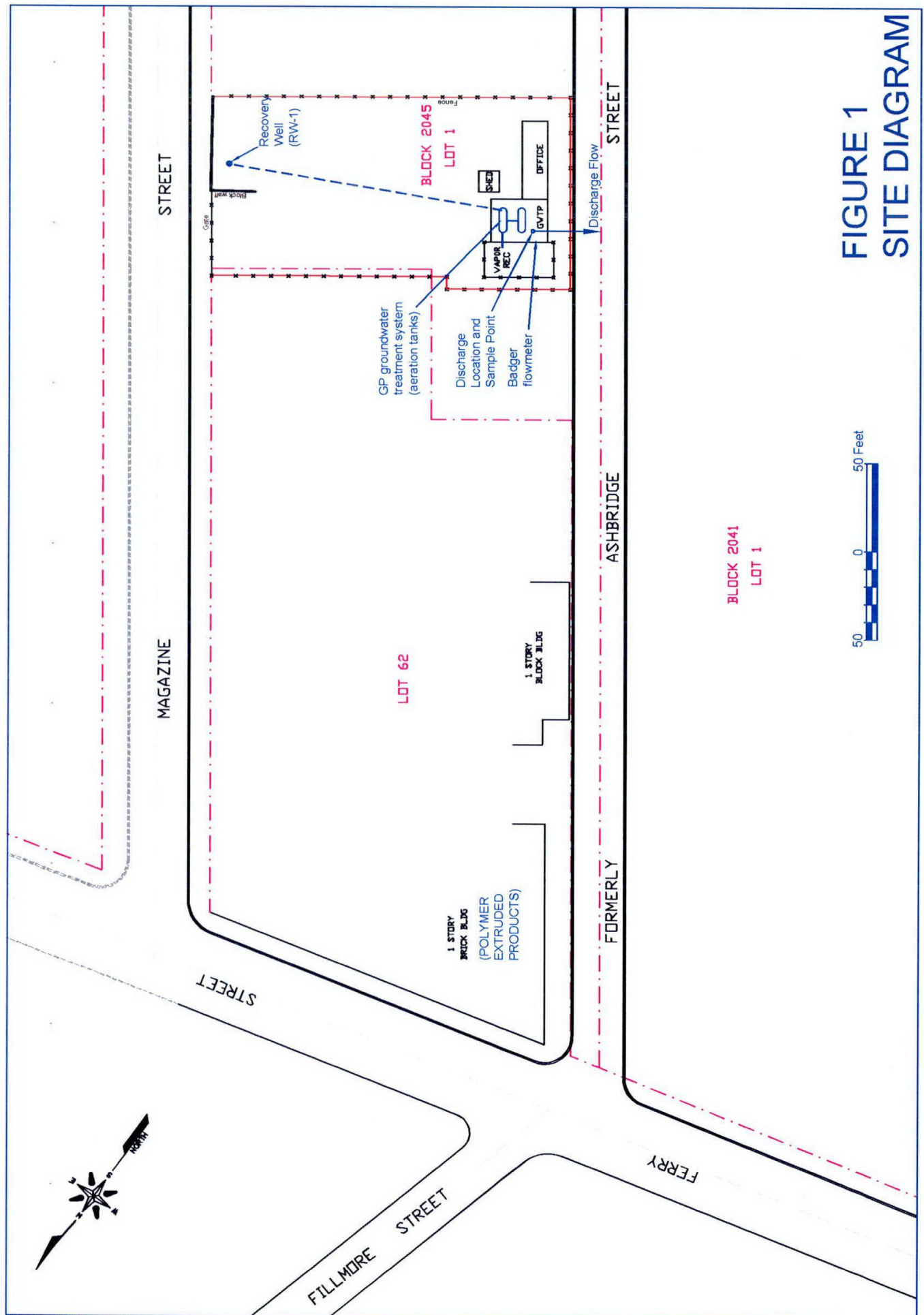
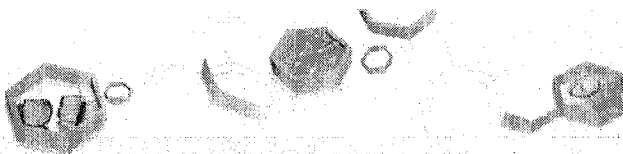


FIGURE 1  
SITE DIAGRAM

# **LABORATORY RESULTS**



IT'S ALL IN THE CHEMISTRY

02/09/09

## Technical Report for

TRC

Georgia Pacific Corporation, Newark, NJ

109649.000000.000003

Accutest Job Number: JA10658

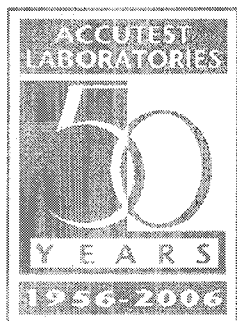
Sampling Date: 01/27/09

Report to:

bbabcock@trcsolutions.com

ATTN: Distribution6

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis  
VP Ops, Laboratory Director

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.



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Accutest LabLink@17:18 09-Feb-2009



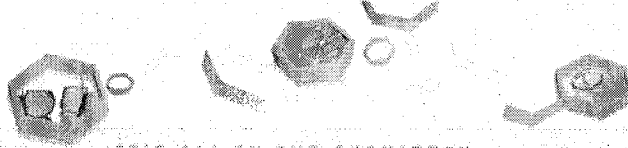
## Sample Summary

TRC

Job No: JA10658

Georgia Pacific Corporation, Newark, NJ  
Project No: 109649.000000.000003

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JA10658-1	01/27/09	08:45 FL	01/27/09	AQ Effluent	GP EFF
JA10658-2	01/27/09	09:00 FL	01/27/09	AQ Effluent	GP DISCH EFF



Section 2



IT'S ALL IN THE CHEMISTRY

## Sample Results

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## Report of Analysis

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Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

Page 1 of 2

Client Sample ID:	GP EFF	Date Sampled:	01/27/09
Lab Sample ID:	JA10658-1	Date Received:	01/27/09
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 624		
Project:	Georgia Pacific Corporation, Newark, NJ		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T129387.D	1	01/30/09	YCB	n/a	n/a	VT5008
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	1.9	ug/l	
71-43-2	Benzene	ND	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.48	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.094	ug/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.15	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.83	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.60	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
100-42-5	Styrene	ND	2.0	0.14	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.58	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

Page 2 of 2

Client Sample ID:	GP EFF	Date Sampled:	01/27/09
Lab Sample ID:	JA10658-1	Date Received:	01/27/09
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 624		
Project:	Georgia Pacific Corporation, Newark, NJ		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	103%		62-139%
2037-26-5	Toluene-D8 (SUR)	94%		85-120%
460-00-4	4-Bromofluorobenzene (SUR)	91%		74-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal Standard additional added	10.00	30	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

Page 1 of 1

Client Sample ID:	GP EFF	Date Sampled:	01/27/09
Lab Sample ID:	JA10658-1	Date Received:	01/27/09
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846-8015 (DAI)		
Project:	Georgia Pacific Corporation, Newark, NJ		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GH65064.D	1	01/30/09	XPL	n/a	n/a	GGH2816
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	200	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	67%		54-148%
111-27-3	Hexanol	58%		54-148%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

Page 1 of 1

Client Sample ID: GP EFF  
Lab Sample ID: JA10658-1  
Matrix: AQ - Effluent  
Project: Georgia Pacific Corporation, Newark, NJ

Date Sampled: 01/27/09  
Date Received: 01/27/09  
Percent Solids: n/a

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Petroleum Hydrocarbons	< 5.2	5.2	mg/l	1	02/04/09	DD	EPA 1664A
pH <sup>a</sup>	7.49		su	1	01/27/09 11:25		SM20 4500H B

(a) Sample received out of holding time for pH analysis.

---

RL = Reporting Limit

Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

Page 1 of 1

Client Sample ID:	GP DISCH EFF	Date Sampled:	01/27/09
Lab Sample ID:	JA10658-2	Date Received:	01/27/09
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	Georgia Pacific Corporation, Newark, NJ		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Cadmium	< 3.0	3.0	ug/l	1	01/28/09	01/29/09 JF	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Copper	< 10	10	ug/l	1	01/28/09	01/29/09 JF	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Lead	3.6	3.0	ug/l	1	01/28/09	01/29/09 JF	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Mercury	< 0.20	0.20	ug/l	1	02/05/09	02/05/09 JW	EPA 245.1 <sup>2</sup>	EPA 245.1 <sup>4</sup>
Nickel	26.1	20	ug/l	1	01/28/09	01/29/09 JF	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Zinc	< 20	20	ug/l	1	01/28/09	01/29/09 JF	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>

(1) Instrument QC Batch: MA22085

(2) Instrument QC Batch: MA22116

(3) Prep QC Batch: MP47037

(4) Prep QC Batch: MP47126

RL = Reporting Limit



Accutest LabLink@17:18 09-Feb-2009

## Report of Analysis

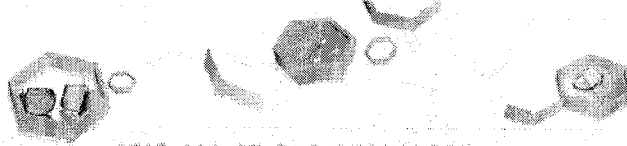
Page 1 of 1

Client Sample ID:	GP DISCH EFF	Date Sampled:	01/27/09
Lab Sample ID:	JA10658-2	Date Received:	01/27/09
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	Georgia Pacific Corporation, Newark, NJ		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
BOD, 5 Day	< 2.0	2.0	mg/l	1	01/28/09 11:00	MJC	SM20 5210B
Chloride	838	8.0	mg/l	4	02/07/09 01:08	MS	EPA 300/SW846 9056
Solids, Total Suspended	23.0	4.0	mg/l	1	02/03/09	AD	SM20 2540D

RL = Reporting Limit



Section 3

IT'S ALL IN THE CHEMISTRY



## Misc. Forms

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## Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



## CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810  
TEL. 732-329-0200 FAX: 732-329-3499/3480  
www.accutest.com

PAGE 1 OF 1

e/

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest Job #	
		JA10658	

Client / Reporting Information				Project Information				Requested Analysis												Matrix Codes	
Company Name TRC				Project Name George-Pacific Corporation																DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe	
Address 1200 Wall Street West, 2nd Floor				Street																	
City Lyndhurst				City Newark																	
State NJ				State NJ																	
Zip 07071																					
Project Contact Bruce Babcock				Project # 109649.000000.000003																	
E-mail bbabcock@trcsolutions.com				Fax # (201) 933-5601																	
Phone # (201) 933-5541 x105				Client Purchase Order #																	
Sampler's Name Fred Lautz																					

Accutest Sample #	Field ID / Point of Collection	SUBMIT #	MECH Val #	Collection		Sampled By	Matrix	# of bottles	Number of preserved bottles										VO + 10 (624)	Methanol	TPH (HEM-SGT)	pH	Total Chloride	BOD	TSS	Cadmium (< 0.005 ppm)	Copper (< 0.002 ppm)	Lead (< 0.020 ppm)	Mercury (< 0.001 ppm)	Nickel (< 0.02 ppm)	Zinc (< 1.67 ppm)	LAB USE ONLY
				Date	Time				HC	MECH	FWDS	TESDA	NOISE	HEMISOL	MECH	ENCORE																
-1	GP EFF			1/27/09	8:45	FL	WW	9	3																							
-2	GP DISCH EFF			1/27/09	9:00	FL	WW	3	1	2																						

DO NOT BE CIRCLED IMMEDIATELY UPON RECEIPT. HOLDING TIME: 12 HOURS.

Residual Chlorine: CO2 FEZ

Disinfectant: SOD

Turnaround Time (Business days)		Data Deliverable Information		Comments / Remarks	
<input checked="" type="checkbox"/> Std. 15 Business Days <input checked="" type="checkbox"/> 10 Day RUSH - \$75 <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other	Approved By: / Date: <u>na</u> 1/27/09	<input checked="" type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> Other	<input type="checkbox"/> FULL CLP <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDO Format <u>NJ</u>		

Emergency & Rush T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: <u>[Signature]</u>	Date/Time: <u>1/27/09</u>	Received By: <u>[Signature]</u>	Date/Time: <u>1/27/09</u>	Relinquished By: <u>[Signature]</u>	Date/Time: <u>1/27/09</u>	Received By: <u>[Signature]</u>	Date/Time: <u>1/27/09</u>
Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal # \_\_\_\_\_ Preserved when applicable ☒ On Ice ☒ Cooler Temp. 3.0°C

JA10658: Chain of Custody

Page 1 of 2



## Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA10658

Client:

Immediate Client Services Action Required: No

Date / Time Received: 1/27/2009

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

**Cooler Security**

Y or N

Y or N

1. Custody Seals Present: ☒ ☐ 3. COC Present: ☒ ☐  
 2. Custody Seals Intact: ☒ ☐ 4. Smpl Dates/Time OK: ☒ ☐

**Cooler Temperature**

Y or N

1. Temp criteria achieved: ☒ ☐  
 2. Cooler temp verification: Infrared gun  
 3. Cooler media: Ice (bag)

**Quality Control Preservation**

Y or N

1. Trip Blank present / cooler: ☒ ☐  
 2. Trip Blank listed on COC: ☒ ☐  
 3. Samples preserved properly: ☒ ☐  
 4. VOCs headspace free: ☐ ☐

**Sample Integrity - Documentation**

Y or N

1. Sample labels present on bottles: ☒ ☐  
 2. Container labeling complete: ☒ ☐  
 3. Sample container label / COC agree: ☒ ☐

**Sample Integrity - Condition**

Y or N

1. Sample recvd within HT: ☒ ☐  
 2. All containers accounted for: ☒ ☐  
 3. Condition of sample: Intact

**Sample Integrity - Instructions**

Y or N

1. Analysis requested is clear: ☒ ☐  
 2. Bottles received for unspecified tests: ☐ ☒  
 3. Sufficient volume recvd for analysis: ☒ ☐  
 4. Compositing instructions clear: ☐ ☐  
 5. Filtering instructions clear: ☐ ☐

Comments

Accutest Laboratories  
V: 732.329.02002235 US Highway 130  
F: 732.329.3499Dayton, New Jersey  
www.accutest.com

JA10658: Chain of Custody

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